

## Life Fitness Model 9500HR Treadmills

### How to...Install the Support Plate on Damaged Frame Cross-Member/Bracket

**Tools required:** Hex Key Wrench Set, Socket Set, C-Clamps, Phillips Screwdriver

GK26-00002-0063

**NOTE: STEPS 1-12 cover Belt, Deck, and Wax Bag Removal.**

1. Turn the unit power OFF, then unplug the POWER CORD at the electrical outlet.

2. Remove the front and rear FRAME CAPS on the right side of the unit.

3. Remove the right HANDRAIL FOOT COVER.

4. Remove the mounting bolts securing right HANDRAIL to the frame.

5. Before loosening the STRIDING BELT, mark the location of the BELT TENSIONING BOLTS or record the number of turns for proper belt re-tensioning.

6. Loosen the STRIDING BELT by turning the BELT TENSIONING BOLTS counterclockwise.

7. Carefully tilt the unit on its left side (user's left) and remove the rear ROLLER GUARD.

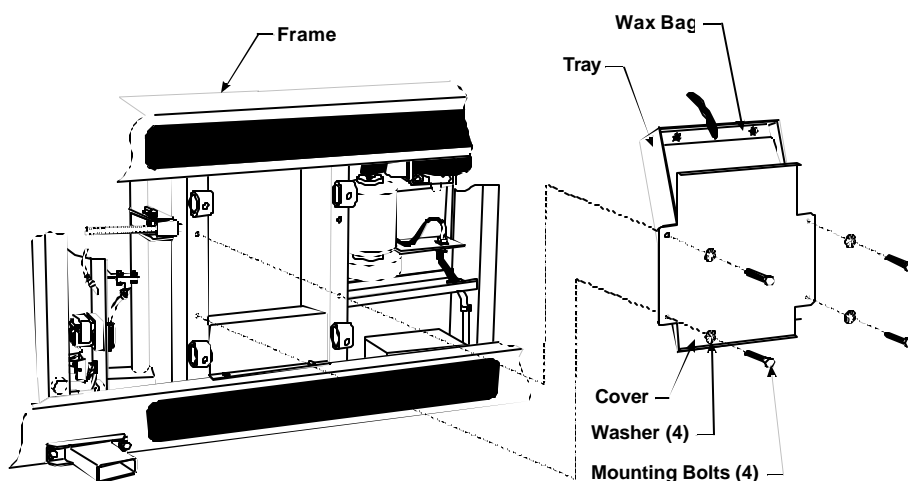
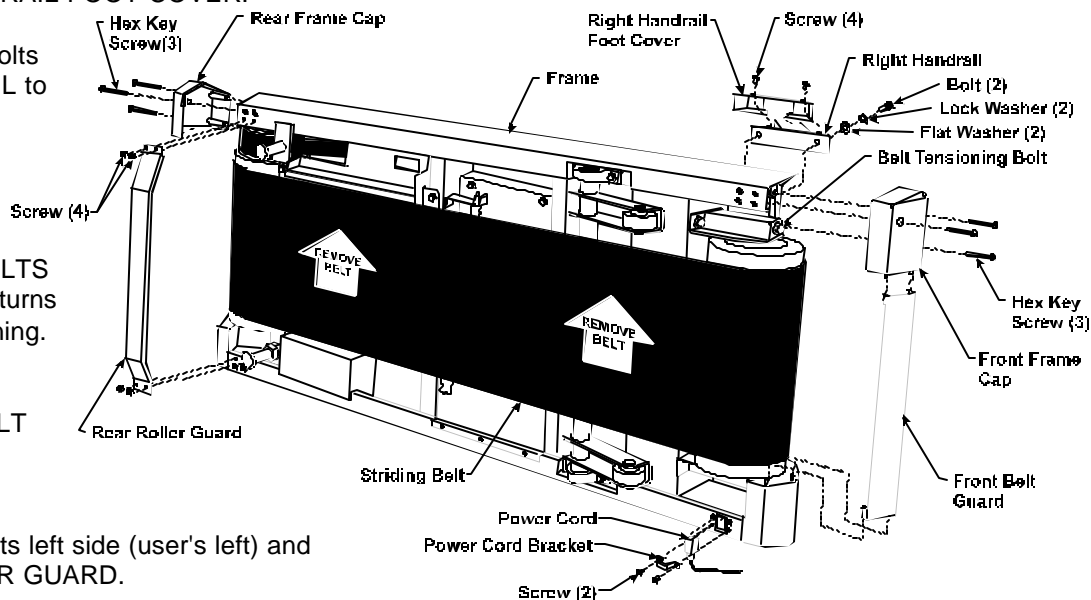
8. Cover the end of the stationary leg to protect the striding belt during removal.

9. Remove the striding belt.

10. Carefully tilt the unit back to its upright, normal operating position.

11. Remove the DECK SCREWS and DECK.

12. Pinch-off the wax hose and remove the WAX COVER, BAG, and TRAY.



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13. Unplug the LIFT ACTUATOR from the WIRE HARNESS.

14. Remove the upper nut, bolt, and washer securing the ACTUATOR NUT BRACKETS together. Loosen the lower nut, bolt, and washer and lift out the actuator nut past the bracket pins. With the lift motor out, DO NOT turn the adjusting screw. This will alter the incline and decline setting.

15. At the non-threaded end of the LIFT ACTUATOR, remove the HAIRPIN CLIP and CLEVIS PIN and lift out the actuator motor.

16. Assess the damage to the cross-member and welded bracket. Make repairs as necessary to restore back to original location.

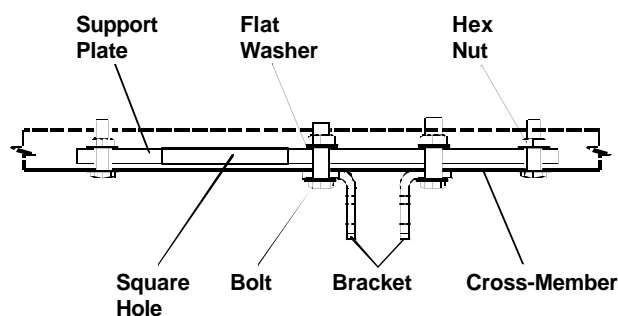
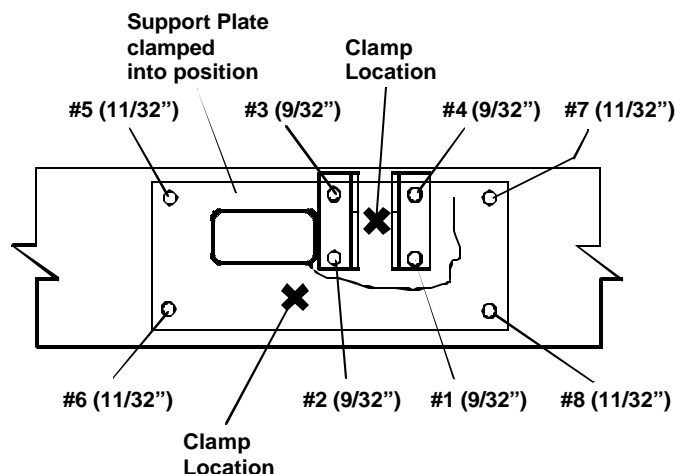
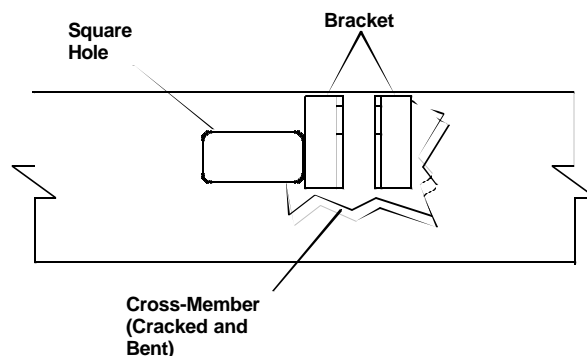
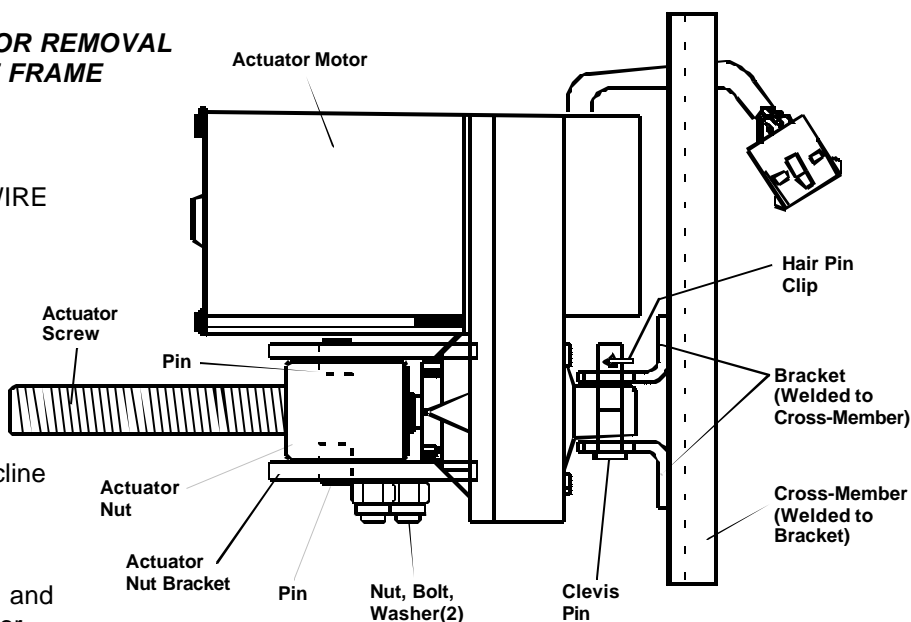
**NOTE: STEPS 17-20 cover FRAME CROSS-MEMBER repairs and installation of the SUPPORT PLATE.**

17. Once the cross-member is restored, position the pre-drilled **SUPPORT PLATE** on the inside channel of the **CROSS-MEMBER** and use as a template in drilling eight holes in the cross-member. Secure the support plate into position with two C-Clamps at the locations shown. Make sure to match-up the square hole in the plate with the square hole in the cross-member.

18. Using the 9/32" and 11/32" drill bits provided, drill holes in the cross-member in the sequence illustrated. Use the 9/32" drill bit for bracket holes (1,2,3,4) and the 11/32" drill bit on the outer ends of the support plate (5,6,7,8).

19. After the first hole in the sequence is drilled, tighten the plate with a bolt, washer, and nut to secure the cross-member for proper hole alignment. Drill the next hole in sequence and, when completed, fasten with bolt, washer and nut and tighten. Complete drilling the remaining holes, and install bolt, washer, nut and tighten.

20. Install the lift motor in reverse order of removal. If the lift actuator screw was turned, refer to STEPS 21-24.



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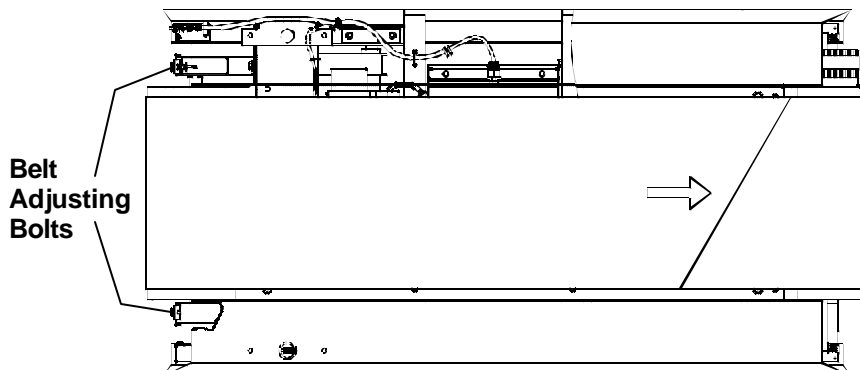
**NOTE: STEPS 21-24 cover how to adjust the lift actuator screw if moved or if incline error message is displayed.**

21. Test the unit. If an incline error occurs then proceed to adjust the actuator screw.
22. With the unit on its left side, disconnect the lift frame from the lift actuator nut, enter 919 into the SERVICE MENU (this will require that power to the unit be restored and the unit powered up). Press HILL + Manual Programs and using the incline down arrow key, lower the lift motor until it stops. Press the LIFT FRAME ASSEMBLY tightly against the RUBBER STOPS on the bottom of the frame.
23. Check that the location of the mounting PINS in the LIFT ACTUATOR NUT BRACKET are centered in the slot. If not, turn the LIFT ACTUATOR NUT accordingly to achieve this result.
24. Re-attach the lift actuator nut to the lift frame bracket.

**NOTE: STEPS 25 and 26 cover DECK and STRIDING BELT installation.**

25. Upright the unit and install the DECK and deck screws in the reverse order of removal.
26. Install the striding belt in reverse order of removal making sure arrows on the underside of the belt point in the direction of belt rotation (see illustration). Refer to BELT TENSIONING and TRACKING ALIGNMENT below.

**NOTE: STEPS 27-30 cover BELT TRACKING ALIGNMENT and TENSIONING (STALL TEST) on USED belts.**



**IMPORTANT: It is CRITICAL that the treadmill be correctly leveled prior to any belt tensioning or tracking adjustments. An unstable unit can effect belt tracking.**

27. After the treadmill has been leveled, plug the power cord back into an electrical wall outlet and activate the unit.
28. Tension the belt to the markings on the adjusting screws. Set the main motor speed to 4.0 mph (6.4 km/h) and note belt tracking. If the belt moves to the left, turn the left adjusting bolt 1/4 turn clockwise and the right adjusting bolt 1/4 turn counterclockwise to bring the belt back to center. If the STRIDING BELT moves to the right, turn the right adjusting bolt 1/4 turn clockwise and the left adjust bolt 1/4 turn counterclockwise to bring the striding belt tracking back to center.
29. Repeat this adjustment until the striding belt is centered on the rear roller. Allow the unit to operate for several minutes to ensure it remains on center.
30. Decrease striding belt speed to 2 mph (3.2 kph) and begin walking on the treadmill. Tightly grasp the handrails and attempt to stall the striding belt. If it slips, stop the treadmill and increase belt tension by turning the tensioning bolts clockwise in 1/4 turn increments. Repeat the stall test.

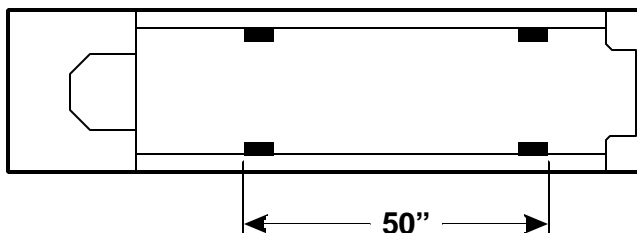
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**NOTE: STEPS 31-33 cover *BELT TENSIONING* on *NEW* belts.**

31. Prior to belt tensioning, place two pieces of tape 50" apart on the left and on the right edges of the striding belt as illustrated.



32. Alternately tighten the two tensioning bolts 1/4 turn clockwise until the belt stretches so that the distance between the tapes increases to 50.25".
33. Adjust tracking as described on previous page.

**NOTE: STEPS 34-36 complete reassembly.**

34. Carefully turn the unit on its left side (user left) and install the rear roller guard.
35. Carefully upright the unit and install the front and rear frame caps on the right side of the unit.
36. Secure the RIGHT HANDRAIL to the FRAME using the two mounting bolts previously removed.
37. Re-install the RIGHT HANDRAIL FOOT COVER.